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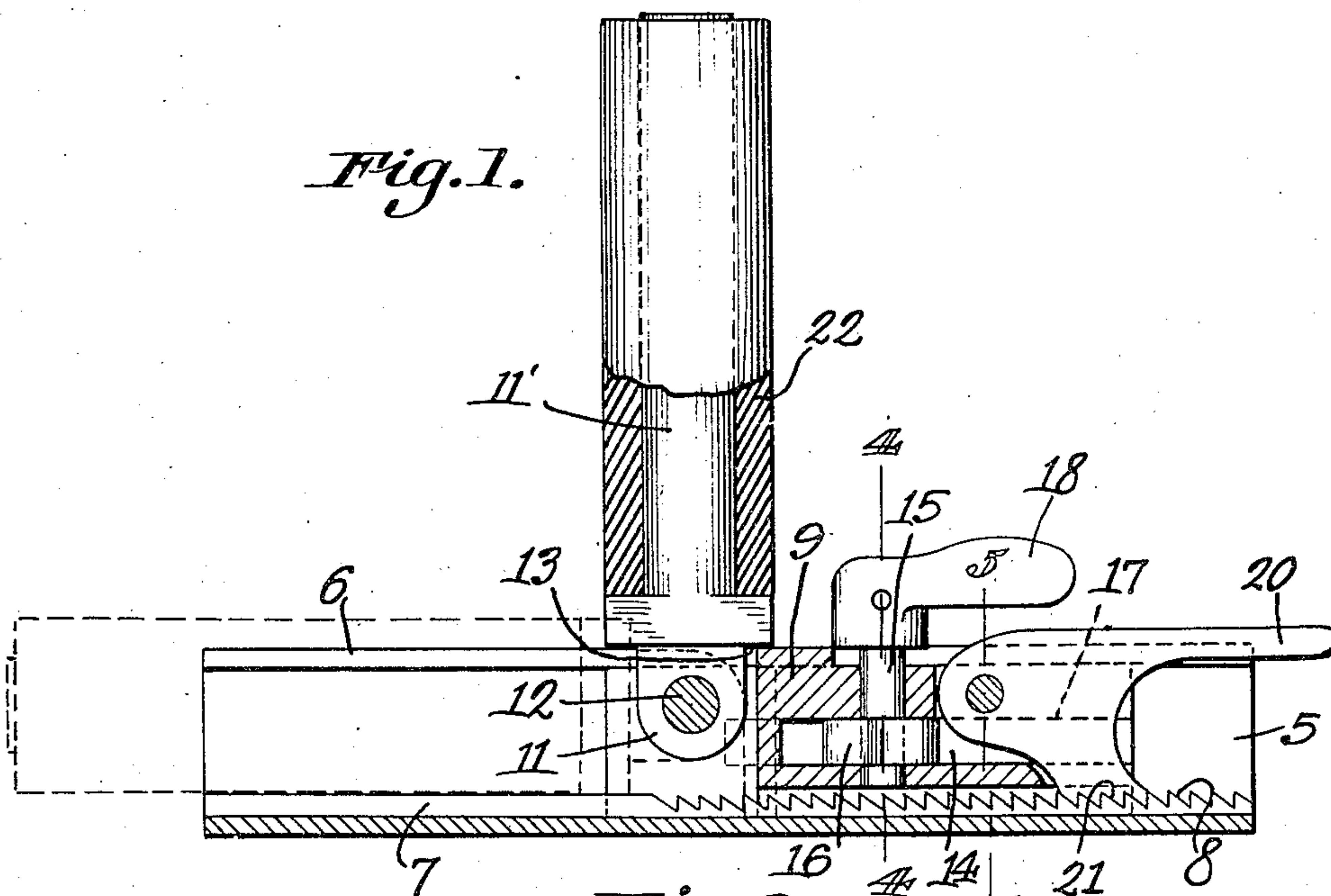
W. E. BINKLEY

2,148,677

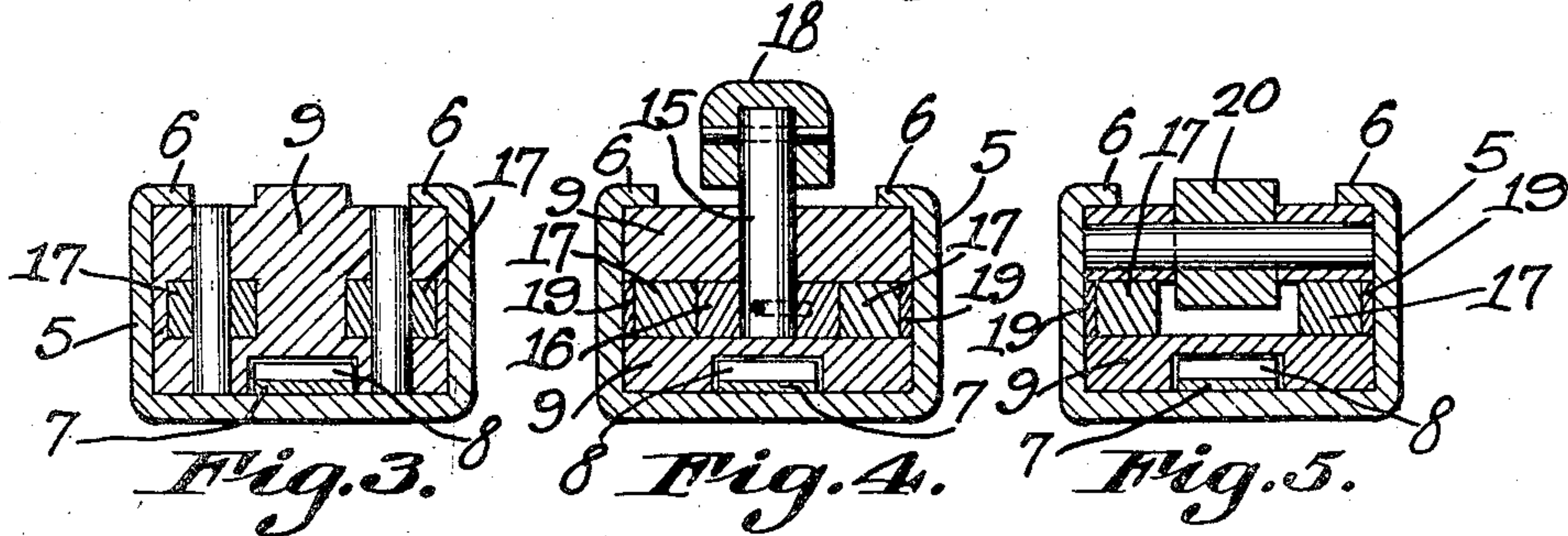
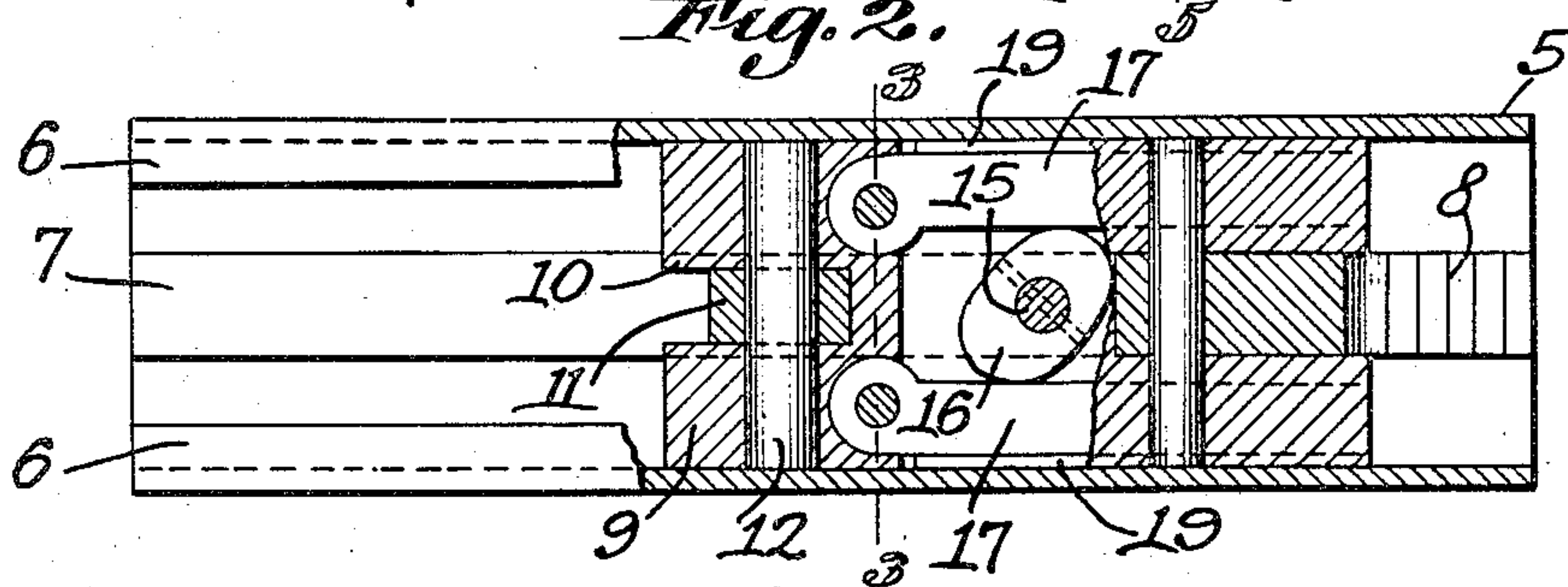
ADJUSTABLE BIER PIN

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*Fig. 1.*



*Fig. 2.*



*W. E. Binkley*  
INVENTOR.

BY *Chas. Snow*

ATTORNEYS.



## UNITED STATES PATENT OFFICE

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## ADJUSTABLE BIER PIN

William E. Binkley, Forresteron, Ill.

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2 Claims. (Cl. 296—18)

This invention relates to bier pins, the primary object of the invention being to provide a bier pin of the adjustable type, which may be moved into close engagement with the casket placed on the bier, securely holding the casket against lateral movement.

An important object of the invention is to provide a bier pin of this character, which will not in any way interfere with the positioning of the casket on the bier.

A still further object of the invention is the provision of locking means for the pin, which will permit of an accurate adjustment of the pin, regardless of the width of the casket.

With the foregoing and other objects in view, which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein described, may be made within the scope of what is claimed, without departing from the spirit of the invention.

Referring to the drawing:

Figure 1 is a longitudinal sectional view through a bier pin constructed in accordance with the invention.

Figure 2 is a longitudinal sectional view taken at right angles to Figure 1.

Figure 3 is a sectional view taken on line 3—3 of Figure 2.

Figure 4 is a sectional view taken on line 4—4 of Figure 1.

Figure 5 is a sectional view taken on line 5—5 of Figure 1.

Referring to the drawing in detail, the reference character 5 designates the bier pin support, which is of channel bar construction, the upper edges of the sides of the support being extended inwardly providing horizontal longitudinal flanges 6.

Disposed within the support and arranged intermediate the side edges thereof, is a bar 7 having upstanding teeth 8 formed thereon. The movable pin supporting base, which is indicated by the reference character 9 is in the form of a block having a central groove to accommodate the bar 7, so that the base 9 may slide freely through the bier pin support 5. This base 9 is formed with a cut-out portion 10 in which the extension 11 of the bier pin 11' is pivotally mounted, the extension having an opening through which the pivot pin 12 extends. A shoulder 13 is formed at the lower end of the

pin, and rests on the upper surface of the base 9, when the pin is in its raised or active position, thereby holding the pin in an upright position.

Pivotally mounted within the cut-out portion 14 of the base 9, and secured to the vertical shaft 15, is a cam 16, which cam is adapted to engage the horizontal pivoted arms 17 that are supplied with friction strips 19 which are moved into engagement with the walls of the bier pin support, holding the base in its positions of adjustment along the support 5, by frictional contact therewith. A handle 18 is secured to the upper end of the vertical shaft 15, whereby the shaft and cam may be rotated to operate the arms 17.

Cooperating with the teeth 8, is a lever 20 which is pivotally mounted on the base 9, the teeth 21 thereof engaging the teeth 8, securely holding the pin against movement, the latter lever acting as a safety catch in the event that the arms 17 should slip under the weight of a casket positioned on the bier.

It might be further stated that a roller indicated by the reference character 22 is mounted on the bier pin, so that when the pin is in its horizontal position as shown in dotted lines in Figure 1, the casket may be readily rolled thereover.

In the use of the device, the casket is positioned on the bier whereupon the pins are moved rearwardly where they clear the casket. The pins are now swung upwardly and moved into engagement with the casket. The handle 18 is now rotated expanding the arms 17 into engagement with the walls of the support securing the base against movement. The lever 20 is moved to its active position as shown by Figure 1 to the end that the casket supported on the bier, is securely held against movement with respect to the bier.

Having thus described the invention, what is claimed is:

1. In a bier pin support, a channel member having its open side disposed upwardly, the edges of the channel member being extended inwardly providing longitudinal flanges, a base mounted for sliding movement longitudinally of the channel member, said base being held against vertical movement by contact with the flanges, a pair of pivoted arms mounted on the base, a cam mounted between the arms and adapted to engage the arms, moving the arms laterally into engagement with the channel member, securing the base in various positions of adjustment, means independent of the arms for securing the base against movement in one direction,

and a bier pin pivotally mounted on the base.

2. In a bier pin support, a channel member, a base mounted for movement longitudinally of the channel member, means for securing the  
5 base in various positions of adjustment within the channel member, a bier pin pivotally mounted on the base and extending above the channel

member, a roller on the bier pin over which a casket is moved, when the bier pin is in a horizontal position, and said bier pin adapted to be moved to a vertical position to engage the casket, securing the casket against movement.

WILLIAM E. BINKLEY.